Fig.1

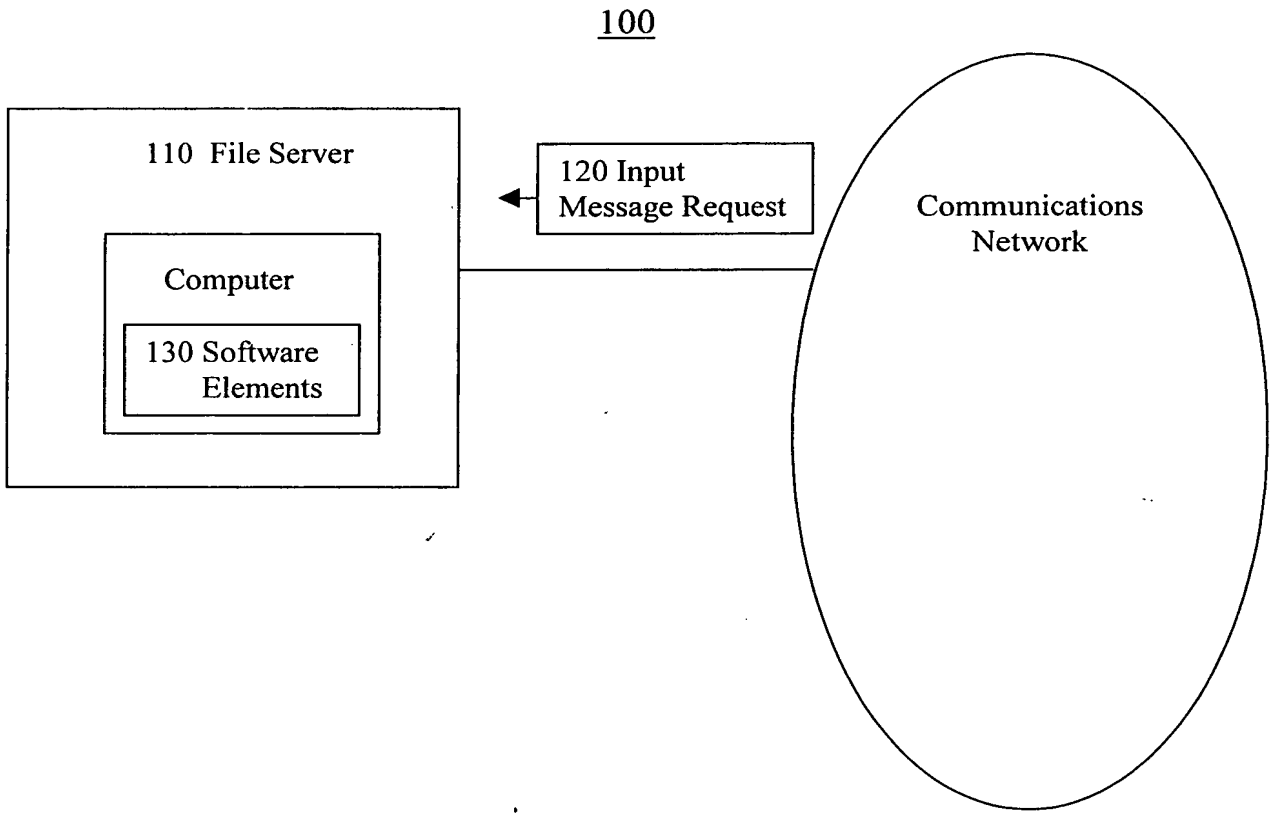
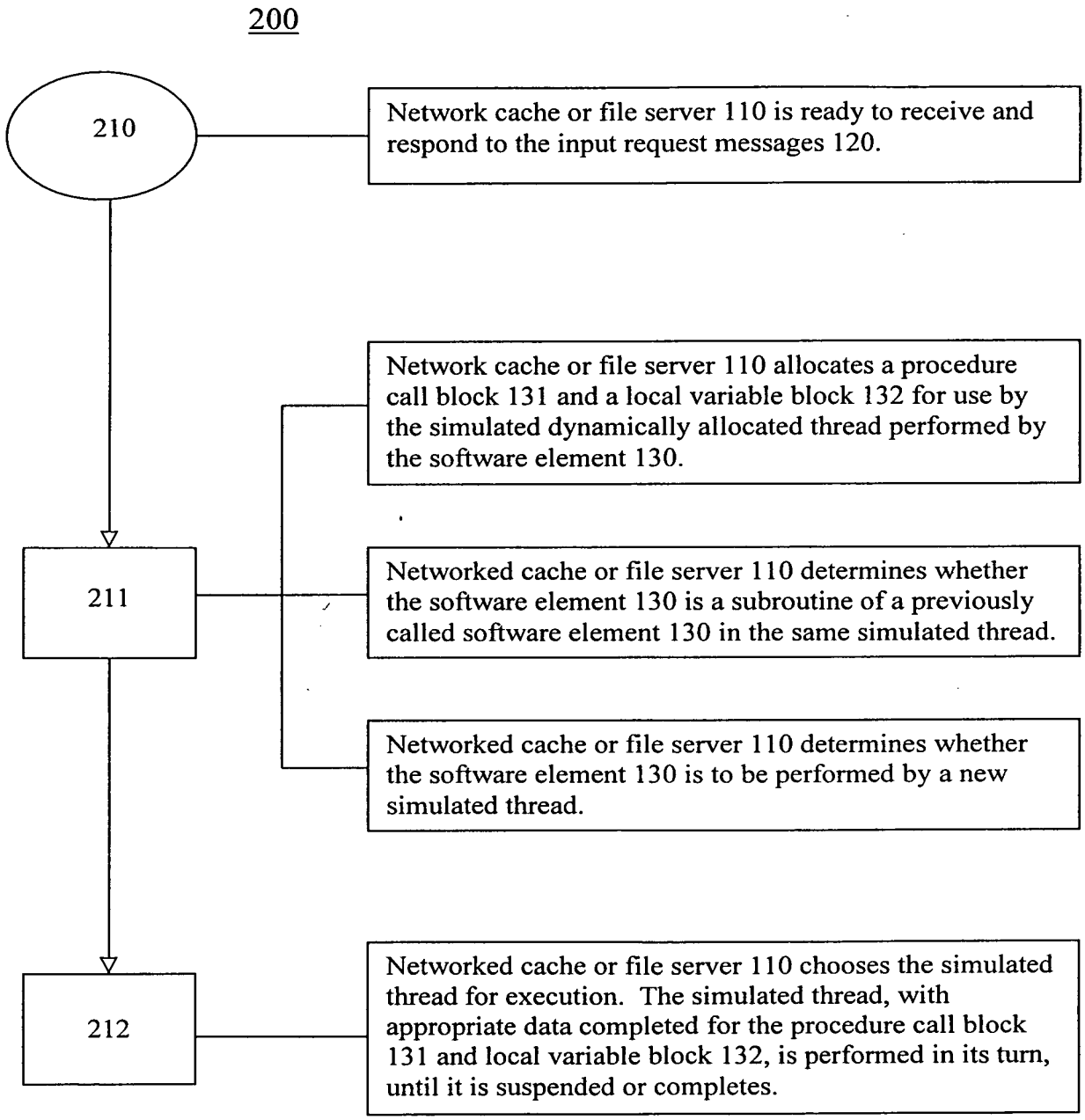

100
110 File Server
Computer
130 Software Elements
120 Input Message Request
Communications Network

Fig.2


200
210
Network cache or file server 110 is ready to receive and respond to the input request messages 120.
211
Network cache or file server 110 allocates a procedure call block 131 and a local variable block 132 for use by the simulated dynamically allocated thread performed by the software element 130.
Networked cache or file server 110 determines whether the software element 130 is a subroutine of a previously called software element 130 in the same simulated thread.
Networked cache or file server 110 determines whether the software element 130 is to be performed by a new simulated thread.
212
Networked cache or file server 110 chooses the simulated thread for execution. The simulated thread, with appropriate data completed for the procedure call block 131 and local variable block 132, is performed in its turn, until it is suspended or completes.